

GEOCHEMICAL WELL COMPLETION REPORT

The U.S. Geological Survey requires this form or other supervisor approved form to be prepared and filled in duplicate with requisite attachments with the supervisor within 30 days after completion of permitted operations.

1. WELL TYPE: PRODUCTION () INJECTION () DISPOSAL () WATER SUPPLY () OBSERVATION (X)
COLD () HEAT EXCHANGE () OTHER ()

2. COMPLETION: NEW (X) WORKOVER () DEEPENED () PLUGBACK () REDRILL ()
RECOMPLETED () DRILLED & ABANDONED () OTHER ()

3. NAME OF LESSEE/OPERATOR
GEO Newberry Crater, Inc.

4. ADDRESS OF LESSEE/OPERATOR
61419 S. Hwy 97, Suite A, Bend, Ore. 97702

5. LOCATION OF WELL:
At Surface: 2100' N & 500' W of SE corner of Section 8,
At Top of Production Zone: Tp 22 S, R 12 E.W.M.
At Total Depth:

6. TOTAL DEPTH
Measured: 3242' True Vertical: not surveyed

7. PLUGBACK TOTAL DEPTH
Measured: N/A True Vertical:

8. ELEVATION: ESTIMATED (X) FINAL () 5680 f a s l
REFERENCE DATUM: GR (X) MAT () OF () OR () RT () CANTONHEAD FLANGE () OTHER ()

9. DRILLING MEDIA: AIR () WATER () MUD (X) FOAM () OTHER ()
List Characteristics:
Bentonite-gel

10. UNIT ACQUISITION NO.
OR-42138
SURFACE MANAGER: SW () RE (X)
Other ()

11. UNIT ACQUISITION NAME
Newberry Volcano Flank

12. WELL NO. N-5 13. PERMIT NO. OR92087 DNBOO

14. FIELD OR AREA
Newberry Volcano

15. SEC. T., R., S. & M.
S 8, T22 S, R 12E

16. COUNTY
Deschutes

17. STATE
Oregon

18. SPUD DATE 5/23/87 DATE T.O. REACHED 8/10/87

19. COMPLETION DATE (Ready to produce)
N/A

20. DIRECTIONALLY DRILLED INTERVALS
N/A

21. SURVEYED INTERVALS
N/A

22. CORE SIZE AND INTERVALS
(0-3242') HQ 3 1/16" core

23. LOG TYPE & INTERVALS Differential temperature 50-2735', caliper 412-2734', BHC acoustilog 534-2720', induction electrolog/gamma Ray 420-2734', BHC acoustic fraclog/gamma ray 520-2708'

CASING RECORD							
Size	Weight	Grade	Collars & Threads	Depth Sec		Hole Size	Cementing Record (slurry volume)
				Top	Shoe		
4.5"	10.7 #/ft.	A-53-B	4" threads schedule 40	surf.	419.6'	5 5/8"	25 cu. ft.

LINER RECORD							
Size	Weight	Grade	Collars & Threads	Top	Bottom	Perforated Intervals	Cementing Record (slurry volume)

TUBING RECORD					27. CEMENT SQUEEZE, ACID, FRACTURE, ETC. (detail type, amount, intervals)
Size	Weight	Grade	Depth Sec	Packer Depth	
1.9" O.D.	2.9 #/ft.	J-55	3225'		5400 gals Shur Gel (50#/100 gals)

PERFORATION RECORD				
Type	Total No.	Downsey (No./ft)	Size	Intervals

28. ATTACHMENTS & PREVIOUS SUBMITTALS: List all reports, surveys, tests and logs, not listed in item 23, which have resulted from drilling and completion operations. List relevant previously furnished data with date of submittal referenced.

SMU temperature log 8/13/87

29. WELL STATUS: PRODUCING () SHUT-IN () SUSPENDED () INJECTION () DISPOSAL () HEAT EXCHANGE () ABANDONED () WATER SUPPLY () OTHER (X)

Temperature observation

30. DO YOU CONSIDER THE WELL TO BE COMMERCIAL? EXPLAIN:

31. I hereby certify the information on this report and the attached information is complete and accurate according to the best of my knowledge.

SIGNED: W. C. Walby TITLE: Projects Coordinator DATE: 5/10/88

This report is required by law (10 U.S.C. 10231) regulations: 30 CFR 270.17, 30 CFR 270.71, Federal Geothermal Lease Terms and Stipulations and other regulatory requirements. Failure to report in a timely prescribed manner can result in shutting down operations, suspension and or recommendation of cancellation of lease (10 U.S.C. 10111, 30 CFR 270.80, 43 CFR 3244.11). The United States Criminal Code (18 U.S.C. 1001) makes it a criminal offense to knowingly or recklessly provide false information to the government within its jurisdiction.